

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary L. Nelsestuen
Application No. : PCT/US00/11416
Filed : April 28, 2000
Priority Date : April 29, 1999
Title : MODIFIED VITAMIN K-DEPENDENT POLYPEPTIDES

Commissioner for Patents
Washington, D.C. 20231

PRE AMENDT / 1A
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3-27-02

PRELIMINARY AMENDMENT

Prior to examination, please amend the application as follows:

In the claims:

Please cancel claims 2, 3, 6-15, 23, 28, 34-36, 44-47, 55-58, and 63.

Please amend claims 1, 4, 5, 17, 18, 43, 52, 53, 54, 59, 61, 67, 70, and 73 as follows:

-- 1. (Amended) A vitamin K-dependent polypeptide comprising a modified GLA domain that enhances membrane binding affinity and activity of said polypeptide relative to a corresponding native vitamin K-dependent polypeptide, said modified GLA domain comprising at least one amino acid substitution at amino acid 5, 9, 35, or 36, wherein said polypeptide is one that inhibits clot formation.

4. (Amended) The polypeptide of claim 1, wherein said amino acid substitution further comprises an amino acid substitution at amino acid 11 or 12.

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